

Idempotents as J-projections: II

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Abstract

Let $B(H)$ be the set of all bounded idempotents on a complex Hilbert space H and let J be a conjugation operator on H . Fix $p \in B(H)$. In the paper we describe J -projections. We prove that for a given p there exists a conjugation operator J_0 such that p is a J_0 -projection. © 2012 Pleiades Publishing, Ltd.

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Keywords

conjugation, Hilbert space, idempotent, projection